Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/27/2020 09:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125105	0	3.52	125231	3.49
Blue	F	SSC	125000	124602	-1	1.59	125316	1.62
Blue	E	FITC	15892	15605	-2	2.94	337	21.09
Blue	D	PE	29999	29373	-3	2.05	637	15.45
Blue	B	PerCP-Cy5-5	43732	43216	-2	3.74	1163	21.62
Blue	A	PE-Cy7	30845	30415	-2	6.39	576	43.61
Red	C	APC	46112	45186	-3	2.39	1598	12.33
Red	A	APC-Cy7	30458	29631	-3	2.38	787	12.06
Violet	B	V450	7918	7496	-6	4.20	440	12.96
Violet	A	V500	32171	31183	-4	4.13	734	10.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16538	20.42	654	33	N/A	N/A	Pass
Blue	F	SSC	57615	1.29	585	26	N/A	N/A	Pass
Blue	E	FITC	62	64.02	554	11	0.0174	77	Pass
Blue	D	PE	134	51.50	560	12	0.1451	257	Pass
Blue	B	PerCP-Cy5-5	213	52.04	667	11	0.0079	27	Pass
Blue	A	PE-Cy7	106	110.70	712	14	0.0097	22	Pass
Red	C	APC	383	25.70	589	5	0.0234	149	Pass
Red	A	APC-Cy7	174	28.24	559	3	0.0053	662	Pass
Violet	B	V450	67	58.87	464	6	0.0500	2102	Pass
Violet	A	V500	108	32.35	480	6	0.0215	470	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.76	-32.14	0.99
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	15.70	13.60 - 20.40	N/A	N/A	29.39	30.02	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9893

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments